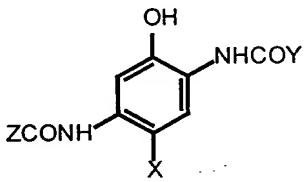
ABSTRACT

PHOTOGRAPHIC COUPLERS HAVING IMPROVED IMAGE DYE LIGHT STABILITY

There is provided a photographic element comprising at least one silver halide emulsion layer having associated therewith a novel phenolic cyan dye-forming coupler of formula (I)

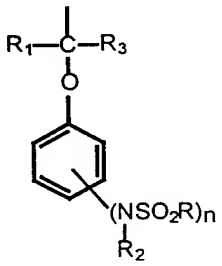


(I)

wherein

X is hydrogen or a group that can be split off by the reaction of the coupler with an oxidised colour developing agent, and

one of Y and Z is the group



wherein

each R is independently an unsubstituted or substituted alkyl or aryl group or a 5-10 membered heterocyclic ring which contains one or more heteroatoms selected from nitrogen, oxygen and sulfur, which ring is unsubstituted or substituted;

R_1 is hydrogen or an unsubstituted or substituted alkyl or aryl group,

R_2 is an unsubstituted or substituted alkyl or aryl group or a 5-10 membered heterocyclic ring which contains one or more heteroatoms selected from nitrogen, oxygen and sulfur, which ring is unsubstituted or substituted;

R_3 is hydrogen or an unsubstituted or substituted alkyl or aryl group,

n is 1 or 2, and

the other of Y and Z is an unsubstituted or substituted alkyl or aryl group or a

5-10 membered heterocyclic ring which contains one or more heteroatoms selected from nitrogen, oxygen and sulfur, which ring is unsubstituted or substituted.

The couplers for use in the element of the invention yield cyan images of good hue, with good stability to heat, humidity and light, whilst retaining the other properties desirable for good photographic performance.